

USSN 09/846,637
JENSEN
SUPPLEMENTAL PRELIMINARY AMENDMENT

U5 sequence (R-U5') of the human T cell leukemia virus (HTLV) Type 1 long terminal repeat (see Takebe *et al.* (1988) *Mol. Cell. Biol.* 8(1):466-472). The pMG plasmid was cut in the multiple cloning site with *Stu*I and *Nhe*I. The 1.545 kb *Eco*RV/*Xba*I fragment encoding the altered IMPDH II was then ligated with the linearized pMG plasmid to generate plasmid IMPDH(T333I/S351Y)/pMG. The nucleotide sequence of such a plasmid is provided in SEQ. ID. NO. 40.

IN THE SEQUENCE LISTING:

Please amend the specification in the above-captioned application to include the attached Sequence Listing into the above-captioned application. A disk copy of the Sequence Listing and verified statement also accompany this response.

IN THE CLAIMS:

Please replace claims 11, 12, 67-72, 112, 120, 143, 150, and 159 with the following amended claims (a marked up copy of the amended claim is attached to this Amendment):

11. (Amended) The isolated nucleic acid molecule of claim 10, comprising the sequence of nucleotides 48 to 1589 in SEQ. ID. NO. 3 or the sequence of nucleotides 54-1595 in SEQ. ID. NO. 40 or the sequence of nucleotides 48 to 1589 in SEQ. ID. NO. 3 containing the sequence of nucleotides TGCAGG at nucleotides 614-619.

12. (Amended) The isolated nucleic acid molecule of claim 7, wherein the codon for the amino acid at a position corresponding to amino acid 333 of SEQ. ID. NO. 2 encodes an amino acid other than threonine or the codon for the amino acid at a position corresponding to amino acid 351 of SEQ. ID. NO. 2 encodes an amino acid other than serine or the codon for the amino acid at a position corresponding to amino acid 333 of SEQ. ID. NO. 2 encodes an amino acid other than threonine and the codon for the amino acid at a position corresponding to amino acid 351 of SEQ. ID. NO. 2 encodes an amino acid other than serine.

67. (Amended) The method of claim 33, wherein the nucleic acid encodes the amino acid sequence set forth in SEQ. ID. NO. 30 except that the codon for amino acid 333 encodes an amino acid other than threonine.

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68. (Amended) The method of claim 33, wherein the nucleic acid encodes the amino acid sequence set forth in SEQ. ID. NO. 30 except that the codon for amino acid 351 encodes an amino acid other than serine.

69. (Amended) The method of claim 33, wherein the nucleic acid encodes the amino acid sequence set forth in SEQ. ID. NO. 30 except that the codon for amino acid 333 encodes an amino acid other than threonine and the codon for amino acid 351 encodes an amino acid other than serine.

70. (Amended) The method of claim 34, wherein the nucleic acid encodes the amino acid sequence set forth in SEQ. ID. NO. 2 except that the codon for amino acid 333 encodes an amino acid other than threonine.

71. (Amended) The method of claim 34, wherein the nucleic acid encodes the amino acid sequence set forth in SEQ. ID. NO. 2 except that the codon for amino acid 351 encodes an amino acid other than serine.

72. (Amended) The method of claim 34, wherein the nucleic acid encodes the amino acid sequence set forth in SEQ. ID. NO. 2 except that the codon for amino acid 333 encodes an amino acid other than threonine and the codon for amino acid 351 encodes an amino acid other than serine.

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112. (Amended) The method of claim 87, wherein the nucleic acid encodes the amino acid sequence set forth in SEQ. ID. NO. 22 except that the codon for amino acid 26 encodes an amino acid other than histidine.

113. (Amended) The method of claim 87, wherein the nucleic acid encodes the amino acid sequence set forth in SEQ. ID. NO. 20 except that the codon for amino acid 56 encodes an amino acid other than histidine.

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120. (Amended) The method of claim 118, wherein the nucleic acid comprises the sequence of nucleotides 48 to 1589 in SEQ. ID. NO. 3 or the sequence of nucleotides 48 to 1589 of SEQ. ID. NO. 3 containing TGCAGG at nucleotides 614-619 or the sequence of nucleotides 54-1595 in SEQ. ID. NO. 40.

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143. (Amended) The method of claim 141, wherein the nucleic acid molecule comprises the sequence of nucleotides 89 to 1589 in SEQ. ID. NO. 3 or